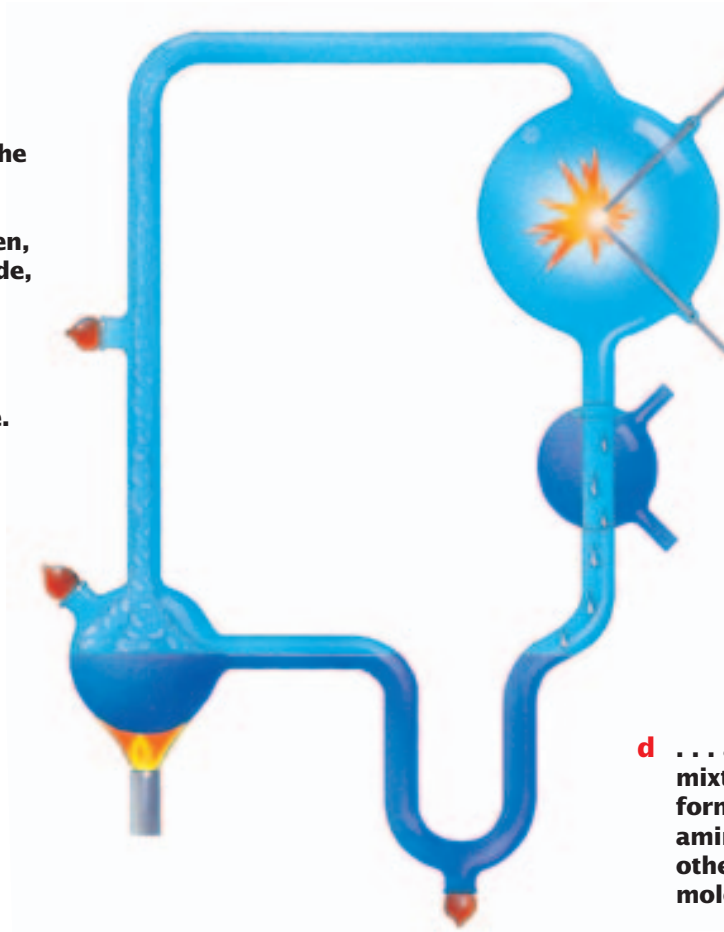


Miller-Urey Experiment

This apparatus was used by Stanley Miller, when he was a graduate student studying under Harold Urey, to simulate the conditions then thought to be present on a young Earth.

a Water was heated and the water vapor was mixed with hydrogen, carbon dioxide, carbon monoxide, nitrogen, ammonia, and methane.



b The mixture of gases was sparked with electricity to simulate lightning.

c The gases were cooled using a glass tube filled with circulating cold water, . . .

d . . . and the dark mixture that formed contained amino acids and other complex molecules.